Application No. <u>09/914,596</u>

Amendment dated September 22, 2003

Page 2

## Amendments to the Specification:

At page 2, please replace the paragraph beginning on line 14 with the following amended paragraph:

According to the present invention, there is provided a process for the preparation of a compound of formula (1):



wherein:

X, and X'  $X^1$  are each independently H or a protecting group;

B is a base; and

R is an alkyl, alkoxyalkyl, alkenyl, or alkynyl group, each of which may be optionally substituted;

which comprises reacting a compound of formula (2):



wherein

L is a leaving group; and

B, X and  $X' X^1$  are as defined above

with a compound of formula Al(OR)<sub>3</sub> wherein R is as defined above, under substantially anhydrous conditions.

At page 3, please replace the paragraph beginning on line 4 with the following amended paragraph:

2

Examples of protecting groups which can be represented by X and  $\frac{X^2}{X^1}$  include acid labile protecting groups, particularly trityl and substituted trityl groups such as dimethoxytrityl and 9-phenylxanthen-9-yl groups; acid-labile acetal protecting groups, particularly 1-(2-fluorophenyl)-4-methoxypiperidine-4-yl (Fpmp); and base labile-protecting groups such as acyl groups, commonly comprising up to 16 carbon atoms, such as ethanoyl

Application No. <u>09/914,596</u>

Amendment dated September 22, 2003

Page 3

groups or fatty alkanoyl groups, including particularly linear or branched  $C_{6-16}$  alkanoyl groups, such as lauroyl groups; benzoyl and substituted benzoyl groups, such as alkyl, commonly  $C_{1-4}$  alkyl-, and halo, commonly chloro or fluoro, substituted benzoyl groups.--

At page 3, please replace the paragraph beginning on line 28 with the following amended paragraph:

In addition to the presence of protecting groups X and  $X^2$   $X^1$ , bases employed in present invention may also be protected where necessary by suitable protecting groups. Protecting groups employed are those known in the art for protecting such bases. For example, A and/or C can be protected by benzoyl, including substituted benzoyl, for example alkyl- or alkoxy-, often  $C_{1-4}$  alkyl- or  $C_{1-4}$ alkoxy-, benzoyl; pivaloyl; and amidine, particularly dialkylaminomethylene, preferably  $di(C_{1-4}$ -alkyl) aminomethylene such as dimethyl or dibutyl aminomethylene. G may be protected by a phenyl group, including substituted phenyl, for example 2,5-dichlorophenyl and also by an isobutyryl group. T and U generally are not protected, but in certain embodiments they may advantageously be protected, for example at O4 by a phenyl group, including substituted phenyl, for example 2,4-dimethylphenyl or at N3 by a pivaloyloxymethyl, benzoyl, alkyl or alkoxy substituted benzoyl, such as  $C_{1-4}$  alkyl- or  $C_{1-4}$  alkoxybenzoyl.

At page 4, please replace the paragraph beginning on line 1 with the following amended paragraph:

In certain embodiments, X and X'  $X^1$  comprise a single protecting group which protects both the 3' and 5' positions. Examples of such groups include disiloxanes, especially tetraalkyldisiloxanes, such as tetraisopropyldisiloxane.

 $\mathcal{B}^3$ 

Application No. <u>09/914,596</u>

Amendment dated September 22, 2003

Page 4

At page 4, please replace the paragraph beginning on line 12 with the following amended paragraph:

Accordingly, a second aspect of the present invention provides a process for the preparation of a compound of formula (3):

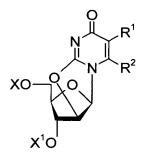
$$\begin{array}{c|c}
R^1 & O \\
\hline
 & N \\
\hline
 & N \\
\hline
 & N \\
\hline
 & O \\
\hline
 & N \\
\hline
 & O \\
\hline
 & XO \\
\hline
 & O \\
 & O \\
\hline
 & O \\
 & O \\
\hline
 & O \\
\hline
 & O \\
 & O \\
\hline
 & O \\
\hline
 & O \\
 & O \\
\hline
 & O \\
 & O$$

wherein:

X and  $\frac{X^{1}}{X^{1}}$  are as defined above;

R<sup>1</sup> and R<sup>2</sup> are each independently H, alkyl, alkenyl, alkynyl, or halogen; and R is an alkyl, alkoxyalkyl, alkenyl, or alkynyl group, each of which may be optionally substituted;

which comprises the reaction of a compound of formula (4)



wherein

 $X, X' X', R^1$  and  $R^2$  are as defined above;

with a compound of formula Al(OR)<sub>3</sub> wherein R is as defined above, under substantially anhydrous conditions.

